

**METHOD FOR THE SYNCHRONIZATION OF DATA, SUCH AS  
DISTRIBUTED DATA, TAKING ACCOUNT OF CLOCK DRIFTS AND  
INACCURACIES.**

**ABSTRACT**

The present invention relates to a method for creating a correspondence between the local time of a first machine (B), having a first clock ( $H_B$ ), and that of a second machine (A), having a second clock ( $H_A$ ).

The invention also relates to a method of synchronization between data recorded and date stamped by said first machine (B) with respect to the local time of said second machine (A). In order to make it more flexible and robust, this method does not comprise a synchronization of said clocks ( $H_A$ ,  $H_B$ ), but is based on the establishment of a correspondence 'by intervals' between the times that they indicate. In order to establish correspondence, a non-monotonic temporal reference may be formed by the clock of a synchronous bus connecting, at least temporarily, the two machines (and possibly other devices).

*Figure 2*